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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1020 Rec'd PCT/PTO 22 SEP 2005

In re application of :  
Makoto SUNAGAWA et al. : **Mail Stop: PCT**  
Serial No. NEW : Attorney Docket No. 2005-1498A  
Filed September 22, 2005 :  
NOVEL CARBAPENEM COMPOUNDS :  
[Corresponding to PCT/JP2004/004978  
Filed April 6, 2004]

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEE FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975.

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☒ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application  
PCT/\_\_\_\_\_; and/or
- ☐ each reference previously cited in prior parent application Serial No.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the  
above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

- a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

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3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
  - b. ☒ a foreign patent office search report (International Search Report) (in the English language) submitted herewith,
  - c. ☒ the concise explanation contained in the specification of the present application at page 3,
  - d. ☒ the concise explanation set forth in the attached English language abstract,
  - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☒ A foreign patent office search report (International Search Report) citing one or more of the references is enclosed.

Respectfully submitted,

Makoto SUNAGAWA et al.

By:



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September 22, 2005

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FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: September 22, 2005

ATTY DOCKET NO.  
2005-1498ASERIAL NO.  
NEV 10/550395APPLICANT  
Makoto SUNAGAWA et al.FILING DATE  
September 22, 2005

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,338,875	8/1994	DeCamp et al.			
	AB	5,256,777	10/1993	DiNinno et al.			
	AC	5,334,590	8/1994	DiNinno et al.			
	AD	4,264,622	4/1981	Kornfeld et al.			
	AE	4,235,776	11/1980	Kornfeld et al.			
	AF	4,260,627	4/1981	Christensen et al.			
	AG	4,775,669	10/1988	Cama et al.			
	AH	5,064,447	11/1991	Lee			
	AI	4,543,257	9/1985	Cama et al.			
	AJ	5,055,573	10/1991	Cama et al.			
	AK	5,821,362	10/1998	Kaneko et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AL	03/40146	5/2003	WO				
	AM	8-512280	12/1996	Japan				
	AN	5-255331	10/1993	Japan				
	AO	5-222043	8/1993	Japan				
	AP	4-279587	10/1992	Japan				
	AQ	55-69586	5/1980	Japan				

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.

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	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	BJ	53-87390	8/1978	Japan				
	BK	4-211687	8/1992	Japan				
	BL	7-70126	3/1995	Japan				
	BM							
	BN							

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	BO	
	BP	
	BQ	

EXAMINER

DATE CONSIDERED